THE OFFICE OF REGULATORY STAFF

DIRECT TESTIMONY AND EXHIBITS

OF

MICHAEL L. SEAMAN-HUYNH

DOCKET NO. 2007-3-E

Duke Energy Carolinas, LLC
Annual Review of Base Rates for Fuel Costs

DIRECT TESTIMONY OF

MICHAEL L. SEAMAN-HUYNH

ON BEHALF OF

THE SOUTH CAROLINA OFFICE OF REGULATORY STAFF

DOCKET NO. 2007-3-E

IN RE: DUKE ENERGY CAROLINAS, LLC

ANNUAL REVIEW OF BASE RATES FOR FUEL COSTS

Q. PLEASE STATE YOUR NAME, BUSINESS ADDRESS AND OCCUPATION.

A. My name is Michael Seaman-Huynh. My business address is 1441 Main Street, Suite 300, Columbia, South Carolina 29201. I am employed by the State of South Carolina as an Electric Utilities Specialist in the Electric Department for the Office of Regulatory Staff ("ORS").

Q. PLEASE STATE YOUR EDUCATIONAL BACKGROUND AND EXPERIENCE.

A. I received a Bachelor of Arts Degree in History from the University of South Carolina in Columbia in 1997. Previous to my employment with ORS, I was employed as an energy analyst with a private consulting firm. In June 2006, I joined the Office of Regulatory Staff.

Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?

A. The purpose of my testimony is to set forth ORS' findings and recommendations resulting from our examination of Duke Energy Carolinas, LLC ("Duke" or "Company") fuel expenses and power plant operations used in the generation of electricity to meet the Company's South Carolina retail customer requirements.

Q. WHAT AREAS WERE ENCOMPASSED IN YOUR REVIEW OF THE COMPANY'S FUEL EXPENSES AND PLANT OPERATIONS?

A. First, ORS reviewed the Company's responses to ORS' Audit Information Requests containing one-hundred-two multi-part questions. In preparation for this proceeding, ORS reviewed the Company's monthly fuel reports including power plant performance data, unit outages, and generation statistics. Comparisons and analysis of actual to original estimates were performed for both megawatt-hour sales and fuel costs.

Q. WHAT ADDITIONAL STEPS WERE TAKEN IN ORS' REVIEW OF THE COMPANY'S PROPOSAL IN THIS PROCEEDING?

A. ORS met with various Duke personnel representing a variety of areas of expertise to discuss and review Duke's fossil and nuclear fuel procurement, fuel transportation, environmental cost procedures, nuclear, fossil and hydro generation performance, plant dispatch, forecasting, resource planning, and general Company policies and procedures. These meetings occurred at Duke Headquarters in Charlotte, N.C.

Also, on a daily basis, ORS keeps abreast of the coal industry including transportation through industry publications regarding activities in the coal and related markets.

Q. DID ORS EXAMINE THE COMPANY'S PLANT PERFORMANCE FOR THE REVIEW PERIOD?

A. Yes. ORS reviewed the Company's performance of its generating facilities to determine if the Company made reasonable efforts to minimize fuel costs. ORS gave special attention to the nuclear plant performance. The review period includes the historical period from July 2006 through June 2007, and the projected period from July

2007 through September 2008. ORS reviewed the availability of the Company's major power plants. Exhibit MSH-1 shows the monthly availability of the Company's major generating units stated in percentages. The corresponding capacity factors in Exhibit MSH-2 indicate the monthly utilization of each unit in producing power.

Q. PLEASE EXPLAIN THE SIGNIFICANCE OF PLANT AVAILABILITY AND HOW IT IS USED IN YOUR EVALUATION OF THE COMPANY'S PLANT PERFORMANCE.

A. Exhibits MSH-3 and MSH-4 show the Company's major fossil and nuclear units summary of outages for the review period, respectively. With reference to Exhibit MSH-1, in months where generation units show zero availability as well as those months showing less than 100% availability led us to examine the reasons for such occurrences. Exhibit MSH-1 through Exhibit MSH-4 can be used in concert to evaluate the Company's plant operations. As an example, Exhibit MSH-1 shows the Marshall Fossil Unit 3 had 0.00% availability in October and November 2006. Exhibit MSH-3 indicates the reason for the 0.00% availability was the scheduled maintenance outage between September 23, 2006 and December 21, 2006; therefore, the unit was not available to generate electricity during this time frame.

Q. WOULD YOU EXPLAIN HOW THE OTHER OUTAGES ARE REPRESENTED ON EXHIBITS MSH-3 AND MSH-4?

A. Yes. Exhibit MSH-3 provides explanations for major fossil unit outages of 100 hours or greater although our review includes all outages. Exhibit MSH-4 provides explanations for all nuclear plant outages during the review period.

Q. PLEASE ADDRESS THE OUTAGES AT THE COMPANY'S THREE NUCLEAR STATIONS.

A. Exhibit MSH-4 shows the duration of the outages at the Company's three nuclear stations by unit along with the explanation of the outage. ORS found that the Company took appropriate corrective action with respect to these outages, and there were no Nuclear Regulatory Commission fines associated with these outages. The seven nuclear units combined achieved an overall 88.0% availability factor and 89.5% capacity factor for the review period which includes scheduled refueling outages for five of the seven units. It is worth noting that the Catawba 2 unit ran for the entire period under review with no outages.

Q. WHAT WERE THE RESULTS OF YOUR ANALYSIS OF THE COMPANY'S PLANT OPERATIONS FOR THE PERIOD UNDER REVIEW?

A. ORS' review of the Company's operation of its generating facilities concluded that the Company made reasonable efforts to maximize unit availability and minimize fuel costs.

Q. DID ORS REVIEW THE GENERATION MIX AND BASE UNIT FUEL COSTS UTILIZED BY THE COMPANY DURING THE REVIEW PERIOD?

A. Yes. Exhibit MSH-5 shows the monthly generation mix for the review period by generation type. The Company has no combined-cycle gas-fired generating units in its fleet and uses its simple-cycle combustion turbine units sparingly during peaking periods or when capacity is short and purchase opportunities are not economical. The Company's load is mainly met through comparable portions of nuclear and coal generation along with a small amount of hydro production.

In addition, Exhibit MSH-6 shows the average fuel cost in cents per kilowatt-hour and generation in megawatt-hours for each of the Company's base load nuclear and coal-fired facilities. The Catawba Nuclear Station had the least expensive average fuel cost at 0.396 cents per kilowatt-hour. Cliffside, a coal-fired plant, had the most expensive fuel cost at 3.046 cents per kilowatt-hour. The highest total generation of 20,030,998 megawatt-hours was produced at the Oconee Nuclear Station.

Q. HAS ORS REVIEWED THE ACCURACY OF THE COMPANY'S FORECAST?

A. Yes. As shown in Exhibit MSH-7, the Company's actual megawatt-hour sales versus forecasted sales varied by 3.79% during the review period. In addition, Exhibit MSH-8 shows the monthly variance between projected and actual fuel cost for the review period. This Exhibit demonstrates that the Company was able to improve its forecasted costs during five of the twelve months of the review period. However, Duke's projection varied from the actual fuel cost by only .46% for the review period.

Q. DID ORS REVIEW ADDITIONAL INFORMATION IN DETERMINING THE REASONABLENESS OF THE COMPANY'S FORECAST?

A. Yes. ORS reviewed the forecasted maintenance schedules for the Company's major generating units as well as the Company's forecasted fuel price for nuclear and coal. ORS also reviewed the Company's load forecasting and dispatch procedures. Based on the review, ORS finds Duke's forecast to be reasonable and appropriate.

Q. DID ORS REVIEW THE CHANGES THE COMPANY PROPOSED TO COMPLY WITH THE RECOVERY OF CERTAIN VARIABLE ENVIRONMENTAL COSTS AS REQUIRED BY S.C. CODE ANN. SECTION 58-27-865(A)(1) (2007 S.C. ACTS 16)?

A. Yes. ORS reviewed the Company's proposal to calculate the variable environmental component of costs for the Residential, General Service/Lighting, and Industrial customer classes. The allocation of variable environmental costs, both incurred and projected, based on firm peak demand distributes the costs to each customer class.

Q. WHAT OTHER INFORMATION HAS ORS REVIEWED IN MAKING ITS DETERMINATIONS IN THIS PROCEEDING?

A. Exhibit MSH-9 shows the ending balances of over and under collections of fuel costs beginning November 1979. The Company has experienced both over and under recovery balances throughout the approximate twenty-eight year period.

Q. WHAT OTHER SOURCES OF INFORMATION DOES ORS USE IN DETERMINING THE REASONABLENESS OF A UTILITY'S REQUEST FOR A FUEL COST COMPONENT?

A. ORS routinely 1) reviews private and public industry publications as well as those available on the Energy Information Administration's ("EIA") website; 2) conducts meetings with Company personnel; 3) conducts meetings with representatives of large industrial energy consumers; 4) attends industry conferences; and 5) reviews information as filed monthly by electric generating utilities on Form 423 with the Federal Energy Regulatory Commission. An example of EIA data reviewed is included on Exhibits MSH-10 and MSH-11. Exhibit MSH-10 provides spot coal price data for a three year period and includes the most recent downward trend of the average weekly coal commodity spot prices for Central Appalachia beginning late in 2006. Duke generally obtains its coal from the Central Appalachia region. Exhibit MSH-11 provides uranium

price data for the previous twelve year period and shows a steady increase in the price of uranium since 2001.

Q. DOES THIS CONCLUDE YOUR TESTIMONY?

A. Yes, it does.

SOUTH CAROLINA
OFFICE OF REGULATORY STAFF

DUKE ENERGY CAROLINAS, LLC
ANNUAL REVIEW OF BASE RATES FOR FUEL COST
ACTUAL REVIEW PERIOD: JULY 2006 – JUNE 2007

DOCKET NO. 2007-3-E

MICHAEL L. SEAMAN-HUYNH TESTIMONY

EXHIBIT INDEX

EXHIBIT NO.	EXHIBIT TITLE
MSH-1	Power Plant Performance Data Report – Availability Factors
MSH-2	Power Plant Performance Data Report – Capacity Factors
MSH-3	Fossil Unit Outage Report (100 Hrs. or Greater Duration)
MSH-4	Nuclear Unit Outage Report
MSH-5	Generation Mix Report
MSH-6	Generation Statistics for Major Plants
MSH-7	SC Retail Comparison of Estimated to Actual Energy Sales
MSH-8	SC Retail Comparison of Estimated to Actual Fuel Cost
MSH-9	History of Cumulative Recovery Account Report
MSH-10	EIA Average Weekly Coal Commodity Spot Prices
MSH-11	EIA Weighted-Average Price of Uranium Purchased for Nuclear Power Reactors

All Exhibits Prepared by the SC Office of Regulatory Staff

South Carolina
Office of Regulatory Staff
Power Plant Performance Data Report
Availability Factors (Percentage) for
Duke Energy Carolinas, LLC

			HISTORICAL DATA			REVIEW PERIOD (ACTUAL) DATA												
PLANT	UNIT	MW RATING	YEAR 2004	YEAR 2005	YEAR 2006	JUL 2006	AUG 2006	SEP 2006	OCT 2006	NOV 2006	DEC 2006	JAN 2007	FEB 2007	MAR 2007	APR 2007	MAY 2007	JUN 2007	Average Review Pd.
CATAWBA	1	1129	96.56	91.75	80.77	100.00	100.00	100.00	100.00	33.92	5.31	97.50	100.00	98.37	100.00	100.00	100.00	**86.3**
CATAWBA	2	1129	87.39	99.74	87.88	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	**100.0**
MCGUIRE	1	1100	83.40	90.96	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	30.00	0.00	10.43	100.00	**78.4**
MCGUIRE	2	1100	99.99	86.73	84.77	100.00	100.00	50.98	0.00	66.24	100.00	100.00	100.00	100.00	100.00	100.00	100.00	**84.8**
OCONEE	1	846	96.65	89.93	78.66	100.00	100.00	100.00	19.39	0.00	47.86	100.00	70.58	100.00	100.00	100.00	100.00	**78.2**
OCONEE	2	846	75.68	89.08	97.61	100.00	100.00	87.75	100.00	100.00	100.00	100.00	86.58	100.00	90.03	3.38	100.00	**89.0**
OCONEE	3	846	76.20	95.73	89.25	100.00	92.73	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	**99.4**
NUCLEAR TOT		**6996**	**87.98**	**91.99**	**88.42**	**100.00**	**98.96**	**91.25**	**74.20**	**71.45**	**79.02**	**99.64**	**93.88**	**89.77**	**84.29**	**73.40**	**100.00**	**88.0**
BELEWS CREEK	1	1135	75.08	83.17	81.98	91.15	95.05	93.17	81.54	45.37	70.85	96.88	91.08	89.61	83.76	98.96	94.35	**86.0**
BELEWS CREEK	2	1135	83.87	83.65	84.39	69.04	99.80	100.00	77.61	99.99	99.81	99.91	99.89	73.73	64.40	99.56	97.58	**90.1**
CLIFFSIDE	5	562	89.80	89.36	92.52	99.97	99.76	99.60	98.45	96.91	98.57	91.62	75.36	62.53	99.04	97.94	68.23	**90.7**
MARSHALL	3	670	91.06	88.24	66.73	66.32	91.72	72.80	0.00	0.00	40.47	99.79	98.55	55.88	88.71	94.44	99.90	**67.4**
MARSHALL	4	670	87.28	94.36	68.46	99.97	99.88	92.40	48.22	59.55	96.86	88.68	99.83	99.92	78.48	99.93	99.81	**88.6**
FOSSIL TOTALS		**4172**	**85.42**	**87.75**	**78.82**	**85.29**	**97.24**	**91.59**	**61.16**	**60.36**	**81.31**	**95.38**	**92.94**	**76.33**	**82.88**	**98.17**	**91.97**	**84.6**

EXHIBIT MSH-1

South Carolina
Office of Regulatory Staff
Power Plant Performance Data Report
Capacity Factors (Percentage) for
Duke Energy Carolinas, LLC

			HISTORICAL DATA				REVIEW PERIOD (ACTUAL) DATA												
PLANT	UNIT	MW RATING	LIFE[1] TIME	YEAR 2004	YEAR 2005	YEAR 2006	JUL 2006	AUG 2006	SEP 2006	OCT 2006	NOV 2006	DEC 2006	JAN 2007	FEB 2007	MAR 2007	APR 2007	MAY 2007	JUN 2007	Average Review Pd
CATAWBA	1	1129	81.64	97.84	92.92	82.16	101.63	101.39	102.02	103.02	33.86	1.07	98.51	103.81	98.40	103.23	102.73	101.95	**87.6**
CATAWBA	2	1129	83.26	89.13	102.15	88.78	101.54	101.80	102.19	103.03	103.14	98.96	103.62	103.45	103.18	103.18	102.60	99.49	**102.2**
MCGUIRE	1	1100	75.76	85.35	93.15	103.49	101.60	101.38	101.45	103.26	104.34	104.87	105.15	104.95	30.53	0.00	1.73	96.37	**79.6**
MCGUIRE	2	1100	81.98	103.44	88.77	87.57	101.94	101.38	50.95	0.00	61.43	105.63	105.68	105.66	98.53	105.38	104.46	103.60	**87.1**
OCONEE	1	846	75.12	97.74	90.68	78.62	100.59	99.47	97.97	16.30	0.00	44.28	102.49	70.13	102.64	102.35	101.91	101.81	**78.3**
OCONEE	2	846	77.86	76.36	90.00	99.71	102.32	101.09	82.44	102.11	102.97	102.62	103.20	87.90	103.08	89.62	0.73	102.36	**90.0**
OCONEE	3	846	77.22	77.42	97.50	90.78	102.55	87.64	101.22	102.48	103.39	103.78	103.89	103.74	103.96	103.76	103.48	103.23	**101.9**
NUCLEAR TOT		**6996**	**78.98**	**90.27**	**93.72**	**90.17**	**101.73**	**99.52**	**90.97**	**76.20**	**73.13**	**79.55**	**103.21**	**98.22**	**90.27**	**85.64**	**74.76**	**101.12**	**89.5**
BELEWS CREEK	1	1135	n/a	n/a	n/a	76.27	85.83	90.45	83.86	78.59	42.83	67.53	83.47	85.16	84.45	73.61	93.16	80.39	**79.1**
BELEWS CREEK	2	1135	n/a	n/a	n/a	79.29	62.04	96.16	92.65	74.50	99.08	93.00	89.27	95.15	69.28	55.38	92.87	85.98	**83.8**
CLIFFSIDE	5	562	n/a	n/a	n/a	71.39	91.28	89.63	81.17	88.03	81.75	65.63	43.54	65.04	56.94	79.51	86.37	53.83	**73.6**
MARSHALL	3	670	n/a	n/a	n/a	61.54	61.19	80.67	60.56	0.00	0.00	34.79	80.97	97.01	51.83	80.49	91.16	92.49	**60.9**
MARSHALL	4	670	n/a	n/a	n/a	64.72	97.53	91.00	81.43	44.08	58.02	92.71	78.11	99.42	99.25	70.66	95.54	91.91	**83.3**
FOSSIL TOT		**4172**	**n/a**	**n/a**	**n/a**	**72.21**	**78.01**	**90.41**	**81.76**	**60.59**	**58.94**	**72.99**	**78.41**	**89.36**	**73.76**	**70.08**	**92.23**	**82.13**	**77.4**

[1]The lifetime nuclear unit capacity factors are through June 2007

EXHIBIT MSH-2

South Carolina
Office of Regulatory Staff
Fossil Unit Outage Report
(100 Hrs or Greater Duration) for
Duke Energy Carolinas, LLC

UNIT	DATE OFF	DATE ON	HOURS	TYPE	EXPLANATION OF OUTAGE
Belews Creek - 1	10/27/06	11/20/06	559.0	Planned	Maintenance Outage. Upgrades were made to turbine valves as part of reliability plans. Inspections were preformed on other equipment and repairs made as necessary.
Belews Creek - 2	10/01/06	10/07/06	144.0	Forced	Boiler Tube Leak resulted in forced outage of unit. Leak was repaired and inspected without incident.
Belews Creek - 2	03/24/07	04/08/07	375.6	Planned	Maintenance Outage. Maintenance was performed on all equipment as part of reliability plans. Inspections were preformed on equipment and repairs made as necessary.
Cliffside - 5	02/24/07	03/12/07	384.0	Planned	Maintenance Outage. Scheduled outage for maintenance centered on inspection of boilers.
Marshall - 3	09/23/06	12/21/06	2134.6	Planned	Maintenance Outage. New Electrostatic Precipitator was tied into the unit. Maintenance and inspections were performed including significant work on the generator stator and boiler side walls.
Marshall - 3	03/03/07	03/18/07	377.7	Planned	Maintenance Outage. Maintenance and inspections were performed on equipment and repairs made as necessary. Additional work was performed to support the future installation of enviromental equipment.
Marshall - 4	10/14/06	10/30/06	382.7	Planned	Maintenance Outage. New FGD scrubber was tied into the unit. Maintenance and inspections were performed on other equipment and repairs made as necessary.
Marshall - 4	04/06/07	04/12/07	144.0	Planned	Maintenance Outage. Scheduled outage for maintenance centered on inspection of boilers.

EXHIBIT MSH-3

South Carolina
Office of Regulatory Staff
Nuclear Unit Outage Report
for Duke Energy Carolinas, LLC

UNIT	DATE OFF	DATE ON	HOURS	TYPE	EXPLANATION OF OUTAGE
Catawba - 1	11/11/2006	12/30/2006	1180.26	Planned	Scheduled Refueling Outage. Outage delayed due to problem with diesel generator.
Catawba - 1	1/6/2007	1/6/2007	18.62	Forced	High vibration on turbine bearing resulted in forced outage of unit.
Catawba - 1	3/18/2007	3/18/2007	12.10	Forced	Closure failure in Main Turbine Valve #3 resulted in forced outage of unit.
McGuire - 1	3/10/2007	5/28/2007	1906.55	Planned	Scheduled Refueling Outage. Outage delayed due to control rod drive binding.
McGuire - 2	9/16/2006	11/11/2006	1341.06	Planned	Scheduled Refueling Outage. Outage delayed due to reactor building emergency sump modification.
Oconee - 1	10/7/2006	12/17/2006	1708.50	Planned	Scheduled Refueling Outage. Outage delayed due to several modifications.
Oconee - 1	2/15/2007	2/23/2007	197.72	Forced	Breaker failure in switchyard resulted in forced outage of unit.
Oconee - 2	9/1/2006	9/5/2006	88.17	Forced	Methods for cooling main turbine oil failed resulting in forced outage of unit
Oconee - 2	2/15/2007	2/19/2007	90.15	Forced	Breaker failure in switchyard resulted in forced outage of unit.
Oconee - 2	4/28/2007	5/30/2007	790.62	Planned	Scheduled Refueling Outage. Outage was not delayed, and unit returned to service as scheduled.
Oconee - 3	8/18/2006	8/20/2006	54.08	Forced	Problem with a control rod resulted in forced outage of unit.

EXHIBIT MSH-4

EXHIBIT MSH-5

South Carolina
Office of Regulatory Staff
Generation Mix Report (July 2006 – June 2007) for
Duke Energy Carolinas, LLC

MONTH	PERCENTAGE		
	FOSSIL	NUCLEAR	HYDRO
2006			
July	45.5	54.5	0.0
August	47.7	52.3	0.0
September	42.6	56.6	0.8
October	47.7	52.0	0.3
November	48.3	50.1	1.6
December	47.3	51.5	1.2
2007			
January	38.5	59.2	2.3
February	47.6	51.7	0.7
March	43.8	55.0	1.2
April	44.6	54.4	1.0
May	47.1	52.9	0.0
June	44.9	55.1	0.0
Average	**45.5**	**53.7**	**0.8**

EXHIBIT MSH-6

South Carolina
Office of Regulatory Staff
Generation Statistics for Major Plants
(July 2006 – June 2007) for
Duke Energy Carolinas, LLC

PLANT	TYPE FUEL	AVERAGE FUEL COST[1] (CENTS/KWH)	GENERATION (MWH)
Catawba	Nuclear	0.396	18,761,450
Oconee	Nuclear	0.405	20,030,998
McGuire	Nuclear	0.431	16,024,175
Marshall	Coal	2.453	13,741,168
Cliffside	Coal	3.046	4,188,693
Belews Crk	Coal	2.521	16,191,586

1 The average fuel costs for coal-fired plants include oil and/or gas cost for start-up and flame stabilization.

South Carolina
Office of Regulatory Staff
SC Retail Comparison of Estimated to Actual Energy Sales
for Duke Energy Carolinas, LLC

	2006 JUL	AUG	SEP	OCT	NOV	DEC	2007 JAN	FEB	MAR	APR	MAY	JUN	TOTAL
[1] ESTIMATED SALES [MWH]	2,093,176	2,197,737	2,094,838	1,757,606	1,726,957	1,801,680	1,921,428	1,885,821	1,713,020	1,750,856	1,744,262	1,949,449	22,636,830
[2] ACTUAL SALES [MWH]	2,038,725	2,169,427	2,017,839	1,647,460	1,671,874	1,705,410	1,795,657	1,894,719	1,614,666	1,727,296	1,647,441	1,879,747	21,810,261
[3] AMOUNT DIFFERENCE [1]-[2]	54,451	28,310	76,999	110,146	55,083	96,270	125,771	-8,898	98,354	23,560	96,821	69,702	826,569
[4] PERCENT DIFFERENCE [3]/[2]	2.67%	1.30%	3.82%	6.69%	3.29%	5.64%	7.00%	-0.47%	6.09%	1.36%	5.88%	3.71%	**3.79%**

EXHIBIT MSH-7

South Carolina
Office of Regulatory Staff
SC Retail Comparison of Estimated to Actual Fuel Cost
for Duke Energy Carolinas, LLC

	2006 JUL	AUG	SEP	OCT	NOV	DEC	2007 JAN	FEB	MAR	APR	MAY	JUN	PERIOD AVERAGE
[1] ORIGINAL PROJECTION (¢/kWh)	1.8970	1.8216	1.5788	1.8595	1.8498	1.7569	1.7136	1.5124	1.6483	1.7392	1.7577	1.8116	1.7458
[2] ACTUAL EXPERIENCE (¢/kWh)	1.9909	2.0538	1.4158	1.9240	2.0269	1.7624	1.4706	1.5303	1.5004	1.4881	2.0792	1.7862	1.7538
[3] AMOUNT IN BASE (¢/kWh)	1.5802	1.5802	1.5802	1.7760	1.7760	1.7760	1.7760	1.7760	1.7760	1.7760	1.7760	1.7760	
[4] VARIANCE FROM ACTUAL [1-2]/[2]	-4.72%	-11.31%	11.51%	-3.35%	-8.74%	-0.31%	16.52%	-1.17%	9.86%	16.87%	-15.46%	1.42%	**-0.46%**

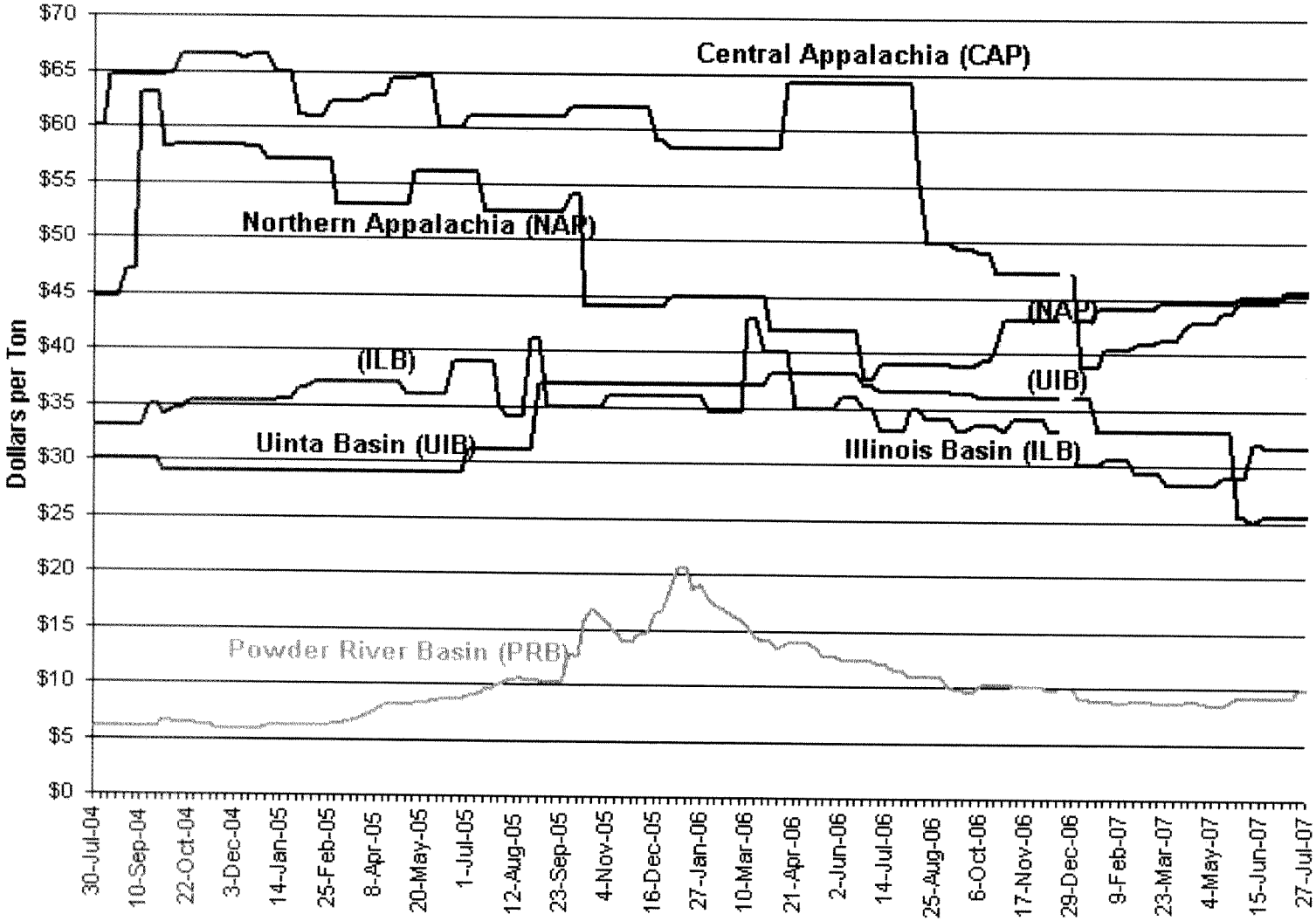
EXHIBIT MSH- 8

EXHIBIT MSH-9

South Carolina
Office of Regulatory Staff
History of Cumulative Recovery Account Report
for Duke Energy Carolinas, LLC

PERIOD ENDING	OVER (UNDER)$
May 1979 - Automatic Fuel Adjustment in Effect	
November-79	1,398,442
May-80	11,322,948
November-80	4,588,331
May-81	(5,760,983)
November-81	(13,061,000)
May-82	(14,533,577)
November-82	(4,314,612)
May-83	20,915,390
November-83	14,192,297
May-84	18,245,503
November-84	14,478,363
May-85	2,551,115
November-85	(553,465)
May-86	(1,318,767)
November-86	(29,609,992)
May-87	(27,241,846)
November-87	(29,329,168)
May-88	(9,373,768)
November-88	6,544,914
May-89	6,067,739
November-89	11,372,399
May-90	15,421,968
November-90	2,939,303
May-91	17,068,483
November-91	21,265,000
May-92	21,080,856
November-92	11,553,801
May-93	16,959,555
November-93	221,606
May-94	6,609,897
November-94	1,037,659
May-95	5,088,619
November-95	(377,507)
March-97	(13,299,613)
March-98	(1,956,794)
March-99	13,044,443
March-00	26,703,441
March-01	20,367,528
March-02	(7,446,417)
March-03	(1,121,094)
March-04	11,424,295
June-05	(2,669,646)
June-06	6,984,672
June-07	1,632,482

EIA Average Weekly Coal Commodity Spot Prices
Business Week Ended July 27, 2007



Key to Coal Commodities by Region[1]

Central Appalachia:	Big Sandy/Kanawha 12,500 Btu, 1.2 lbSO2/mmBtu	Powder River Basin:	8,800 Btu, 0.8 lb SO2/mmBtu
Northern Appalachia:	Pittsburgh Seam 13,000 Btu, <3.0 lbSO2/mmBtu	Uinta Basin in Colo.:	11,700 Btu, 0.8 lb SO2/mmBtu
Illinois Basin:	11,800 Btu, 5.0 lb SO2/mmBtu		

EXHIBIT MSH-10

EIA Weighted-Average Price of U.S. and Foreign-Origin Uranium Purchased by Owners and Operators of U.S. Civilian Nuclear Power Reactors, 1994-2006 Deliveries

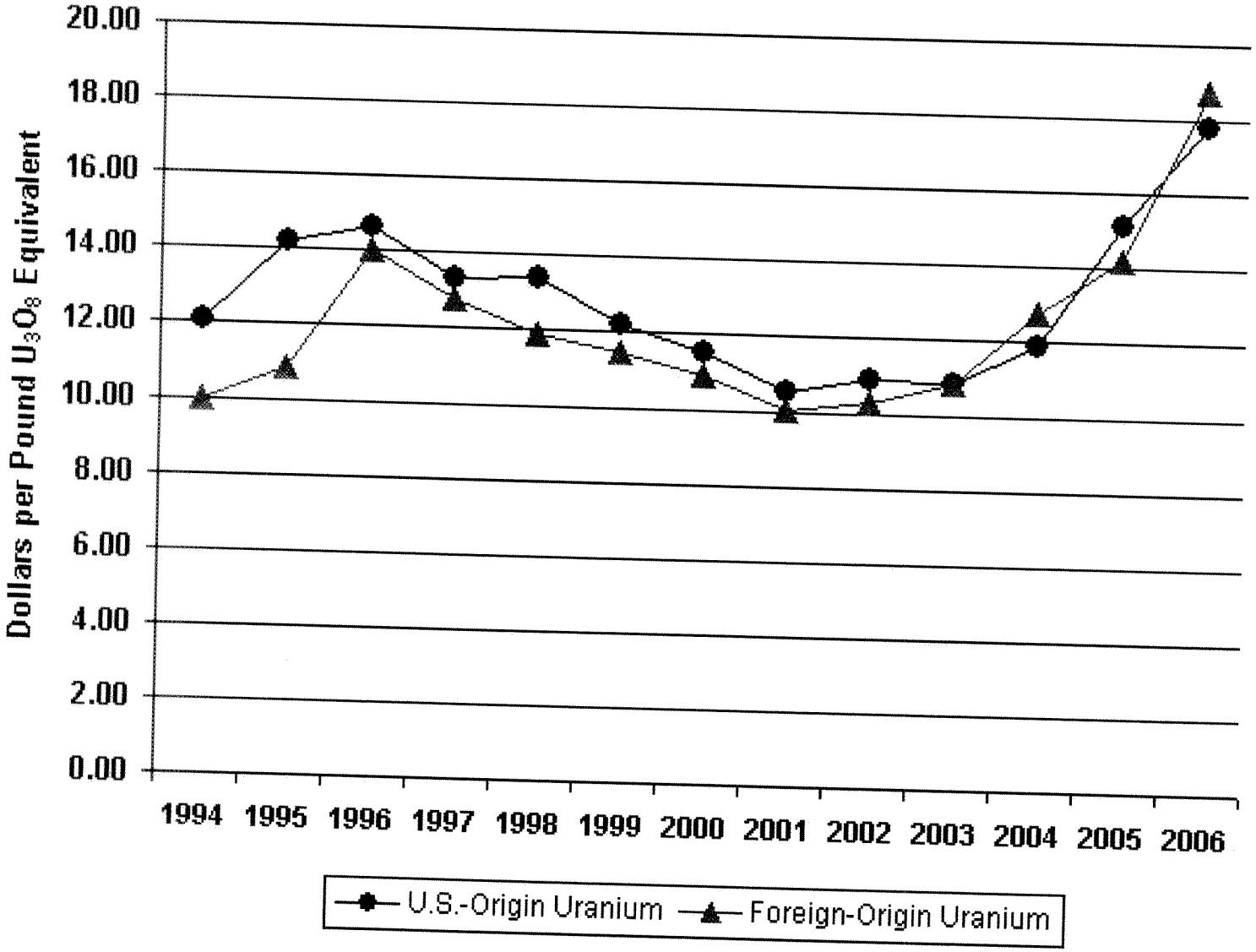


EXHIBIT MSH-11